

## ABSTRACT OF THE DISCLOSURE

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5 Disk array system is presented wherein the plurality of  
6 disk array controlling units operate as the sole disk array  
7 controller so as to restrain the performance of the cache memory  
8 sections of the respective disk array controlling units from  
9 deteriorating owing to their physical packaging locations and  
10 to maximize the performance thereof in proportion to the number  
11 of the controlling units in use.

12  
13 Disk array controller is provided, which controller  
14 comprises a host switch interface section, the plurality of  
15 respective disk array controlling units provided with a channel  
16 interface section, a disc interface section and a cache memory  
17 section and a mutual connection network in connection with the  
18 channel interface sections, the disc interface sections and the  
19 cache memory sections of said respective disk array controlling  
20 units.

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22 Access performance to the cache memory sections that are  
23 dispersedly disposed between the respective disk array  
24 controlling units improves so as to enhance the performance of  
25 the disk array controller in proportion to the number of the  
26 disk array controlling units in use.